

Sanitary Facilities

The nature of the soil is important in selecting sites for sanitary facilities, and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitation ratings of slight, moderate, or severe are given for septic tank absorption fields, sewage lagoons, and trench and area type sanitary landfills. Soil suitability ratings of good, fair, and poor are given for daily cover for landfills. Limitations or suitability terms used in this subsection are as follows:

Slight (or Good) - relatively free of limitations or limitations are easily overcome.

Moderate (or Fair) - limitations need to be recognized, but usually can be overcome with good management or special design.

Severe (or Poor or Very Poor) - limitations are difficult or impractical to overcome.

Sanitary Facility Type

Septic Tank Absorption Fields are subsurface systems of tile or perforated pipe that distribute effluent from a septic tank into the natural soil. The centerline depth of the tile is assumed to be at a depth of 24 inches. Only the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

Sewage Lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material. Aerobic lagoons generally are designed so that the depth of sewage is 2 to 5 feet. Relatively impervious soil for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

Sanitary Landfill (trench) is a method of disposing of solid waste by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Properties that influence risk of pollution, ease of excavation, trafficability, and revegetation are major considerations.

Sanitary Landfill (area) is a method of disposing of solid waste by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Properties that influence trafficability, revegetation, and risk of pollution are the main considerations for area type sanitary landfills.

Daily Cover For Landfill is the soil material that is applied daily to compacted solid waste in an area type sanitary landfill. The cover material is obtained offsite, transported, and spread on the area. Suitability of a soil for use as cover is based on properties that reflect workability and the ease of digging and of moving and spreading the material over the refuse daily during both wet and dry periods.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses.

SANITARY FACILITIES**Waldo county**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
AdB					
ADAMS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AdC					
ADAMS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AdD					
ADAMS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, slope, too sandy
BaB					
BANGOR	Moderate: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
BaC					
BANGOR	Moderate: percs slowly, slope	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
BaD					
BANGOR	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
BbB					
BANGOR	Moderate: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
BbC					
BANGOR	Moderate: percs slowly, slope	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
BbD BANGOR	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
Be BEACHES	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, too sandy, wetness
Bf BIDDEFORD	Severe: percs slowly, ponding	Severe: excess humus, ponding	Severe: ponding, too clayey	Severe: ponding	Poor: hard to pack, ponding, too clayey
BoB BOOTHBAY	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
BoC BOOTHBAY	Severe: percs slowly, wetness	Severe: slope, wetness	Severe: wetness	Severe: wetness	Poor: wetness
BoD BOOTHBAY	Severe: percs slowly, slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Poor: slope, wetness
BoE3 BOOTHBAY	Severe: percs slowly, slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Poor: slope, wetness
BpB BOOTHBAY	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
Bs BOROSAPRISTS	Severe: percs slowly, ponding	Severe: excess humus, ponding, seepage	Severe: excess humus, ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
BtB					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
BvB					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
BxB					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
Ch					
CHARLES	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Poor: wetness
DxB					
DIXMONT	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
DxC					
DIXMONT	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
DyB					
DIXMONT	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
DyC					
DIXMONT	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
ElB					
ELDRIDGE	Severe: percs slowly, poor filter, wetness	Severe: seepage, wetness	Severe: too clayey, wetness	Severe: seepage, wetness	Poor: too clayey, wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
ElC					
ELDRIDGE	Severe: percs slowly, poor filter, wetness	Severe: seepage, slope, wetness	Severe: too clayey, wetness	Severe: seepage, wetness	Poor: too clayey, wetness
HeB					
HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HeC					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HfC					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HfD					
HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
HgC					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HgD					
HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
Le					
LOVEWELL	Severe: flooding, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, wetness	Poor: seepage, too sandy
Lk					
LIMERICK	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Poor: wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Lk					
RUMNEY	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, small stones, too sandy
LrB					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
LrC					
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
LrE					
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
MaB					
MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
MbB					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
MbC MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness
MbD MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
MeB MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
MeC MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
MeD MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
MeE MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
MfC MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
MfE MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
MkB MASARDIS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
MkC					
MASARDIS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
MkE					
MASARDIS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
MrB					
MASARDIS VARIANT	Severe: depth to rock, poor filter	Severe: depth to rock, seepage	Severe: depth to rock, seepage, too sandy	Severe: depth to rock, seepage	Poor: depth to rock, seepage, too sandy
MrC					
MASARDIS VARIANT	Severe: depth to rock, poor filter	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, too sandy	Severe: depth to rock, seepage	Poor: depth to rock, seepage, too sandy
MsB					
MASARDIS VARIANT	Severe: depth to rock, poor filter	Severe: depth to rock, seepage	Severe: depth to rock, seepage, too sandy	Severe: depth to rock, seepage	Poor: depth to rock, seepage, too sandy
MsC					
MASARDIS VARIANT	Severe: depth to rock, poor filter	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, too sandy	Severe: depth to rock, seepage	Poor: depth to rock, seepage, too sandy
MwB					
MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
ROCK OUTCROP					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
My					
MEDOMAK	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Poor: ponding
MyB					
MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
Na					
NAUMBURG	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
PaB					
PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
PaC					
PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness
PbB					
PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
PbC					
PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness
PcB					
PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
PcC					
PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
PcD					
PERU	Severe: percs slowly, slope, wetness	Severe: slope	Severe: slope, wetness	Severe: slope	Poor: slope
Pg					
PITS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Slight:	Poor: seepage, small stones, too sandy
Py					
PODUNK	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, too sandy
Qu					
QUARRIES	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
Rc					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
RmC					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
RmE					
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
RmE					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
RmE					
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope

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Sa					
SACO	Severe: flooding, ponding	Severe: flooding, ponding, seepage	Severe: flooding, ponding, seepage	Severe: flooding, ponding	Poor: seepage, small stones, too sandy
Se					
SEARSPORT	Severe: ponding, poor filter	Severe: excess humus, ponding, seepage	Severe: ponding, seepage, too sandy	Severe: ponding, seepage	Poor: ponding, seepage, too sandy
Su					
SULFAQUENTS	Severe: flooding, percs slowly, ponding	Severe: flooding, ponding	Severe: excess humus, flooding, ponding	Severe: flooding, ponding	Poor: excess salt, hard to pack, ponding
SULFIHEMISTS	Severe: flooding, ponding	Severe: excess humus, flooding, seepage	Severe: flooding, ponding, seepage	Severe: flooding, ponding, seepage	Poor: excess humus, excess salt, ponding
Sw					
SWANVILLE	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
ThB					
THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
WINNECOOK	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones
ThC					
THORNDIKE	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
WINNECOOK	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
ThD					
THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
WINNECOCK	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, slope, small stones
TkB					
THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
TkC					
THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
TkE					
THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
TrB					
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: depth to rock, small stones

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
TrB					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
TrC					
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
TrD					
TUNBRIDGE	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope, small stones
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
Ud					
UDORTHENTS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
URBANLAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable